FIG 1

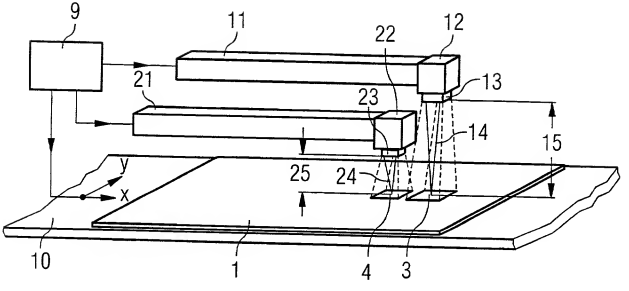


FIG 2

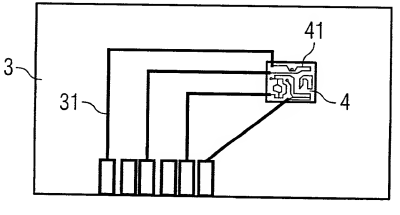


FIG 3

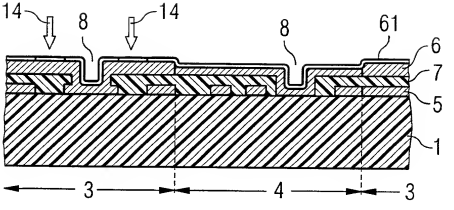


FIG 4

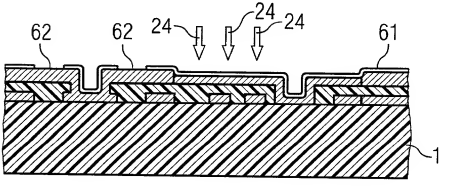


FIG 5

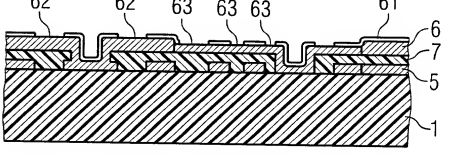


FIG 6

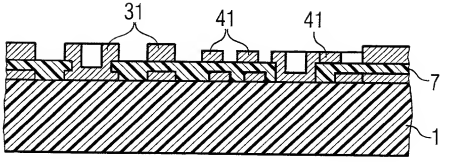


FIG 7

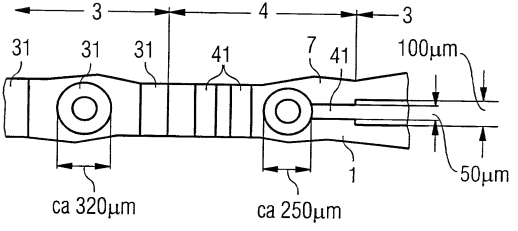
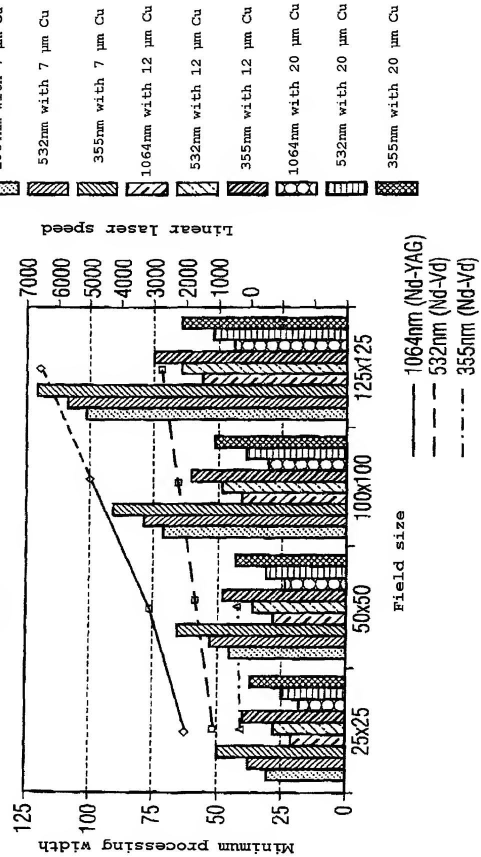


FIG 8


1064nm with 7 µm Cu
532nm with 7 µm Cu
355nm with 7 µm Cu
1064nm with 12 µm Cu
532nm with 12 µm Cu
355nm with 12 µm Cu
1064nm with 20 µm Cu
532nm with 20 µm Cu
355nm with 20 µm Cu
Linear laser speed
7000
6000
5000
4000
3000
2000
1000
0
Minimum processing width
125
100
75
50
25
0
25x25
50x50
100x100
125x125
Field size
1064nm (Nd-YAG)
532nm (Nd-Vd)
355nm (Nd-Vd)